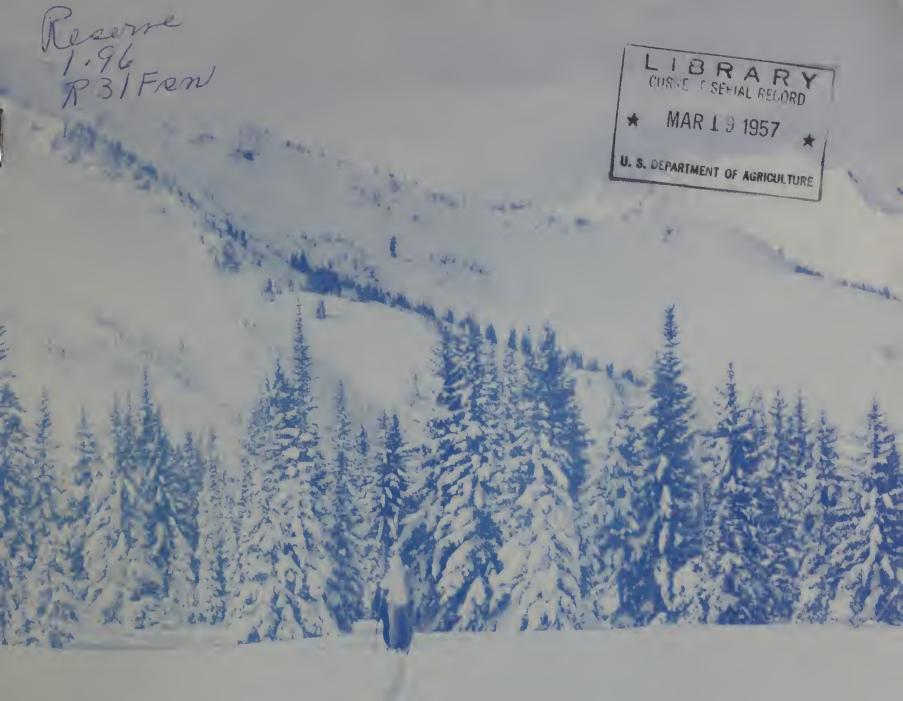
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Do not assume content reflects current scientific knowledge, policies, or practices.





FEDERAL - STATE COOPERATIVE SNOW SURVEYS and WATER SUPPLY FORECASTS for

NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and

NEVADA STATE ENGINEER

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and local organizations listed on the last page of this report.

MAR.1, 1957

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

Snow surveys in the west are conducted each year at more than 1200 snow courses. Basin and Province or State snow survey reports summarizing the results of the measurements and forecasts of seasonal runoff and water supply are issued by the Soil Conservation Service, U. S. Department of Agriculture and some of its cooperators; the Water Rights Branch of the British Columbia Department of Lands and Forests; and the California Division of Water Resources.

Copies of the various federal-state cooperative snow survey reports listed below may be secured by writing to:

Head, Water Supply Forecasting Section Soil Conservation Service 209 S. W. 5th Avenue Portland 4, Oregon

BASIN REPORTS:

Colorado, Rio Grande, and Platte-Arkansas River Basins	Issued monthly February through May by SCS and Colorado Experiment Station, Fort Collins, Colorado.*
Columbia River Basin	Issued monthly January through May by Soil Conservation Service, Boise, Idaho.*
Upper Missouri River Basin	Issued monthly February through May by SCS and Montana Agricultural Experiment Station, Bozeman Montana.*
West-Wide Water Supply Outlook	Issued April 1 by Soil Conservation Service and Cooperators, Portland, Oregon.

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West-Wide Water Supply Outlook	Issued April 1 by Soil Conservation Service and Cooperators, Portland, Oregon.
TATE REPORTS:	
Arizona	Issued semi-monthly January 15 through April 1 by SCS and Salt River Valley Water Users Association, Phoenix, Arizona.*
Nevada	Issued monthly February through April by SCS and Nevada State Engineer, Reno, Nevada.* $$
Oregon	Issued monthly January through May by SCS, Portland, Oregon, and Oregon Agricultural Experiment Station.*
Utah	Issued monthly January through May by SCS, Salt Lake City, Utah, and State Engineer of Utah and Utah Agricultural Experiment Station.*
Washington	Issued monthly February through May by SCS, Spokane, Washington, and State Department of Conservation and Development.*
Wyoming	Issued monthly February through May by SCS, Casper, Wyoming, and State Engineer of Wyoming.*

^{*}Special reports are issued as needed.

The British Columbia reports are issued February 1 through June 1 and may be secured from Comptroller, Water Rights Branch, Department of Lands and Forests, Parliament Building, Victoria, B. C.

The California reports are issued monthly February 1 through May 1 and may be secured from Division of Water Resources, California Department of Public Works, Sacremento, California.

The annual water supply forecasts of the Weather Bureau are available in monthly bulletins published from January through May. These bulletins entitled, "Water Supply Forecasts for the Western United States" may be obtained from River Forecast Center, Weather Bureau, 712 Federal Office Building, Kansas City 6, Missouri.

FEDERAL - STATE COOPERATIVE SNOW SURVEYS AND WATER SUPPLY FORECASTS

For

NEVADA

Report Prepared
By

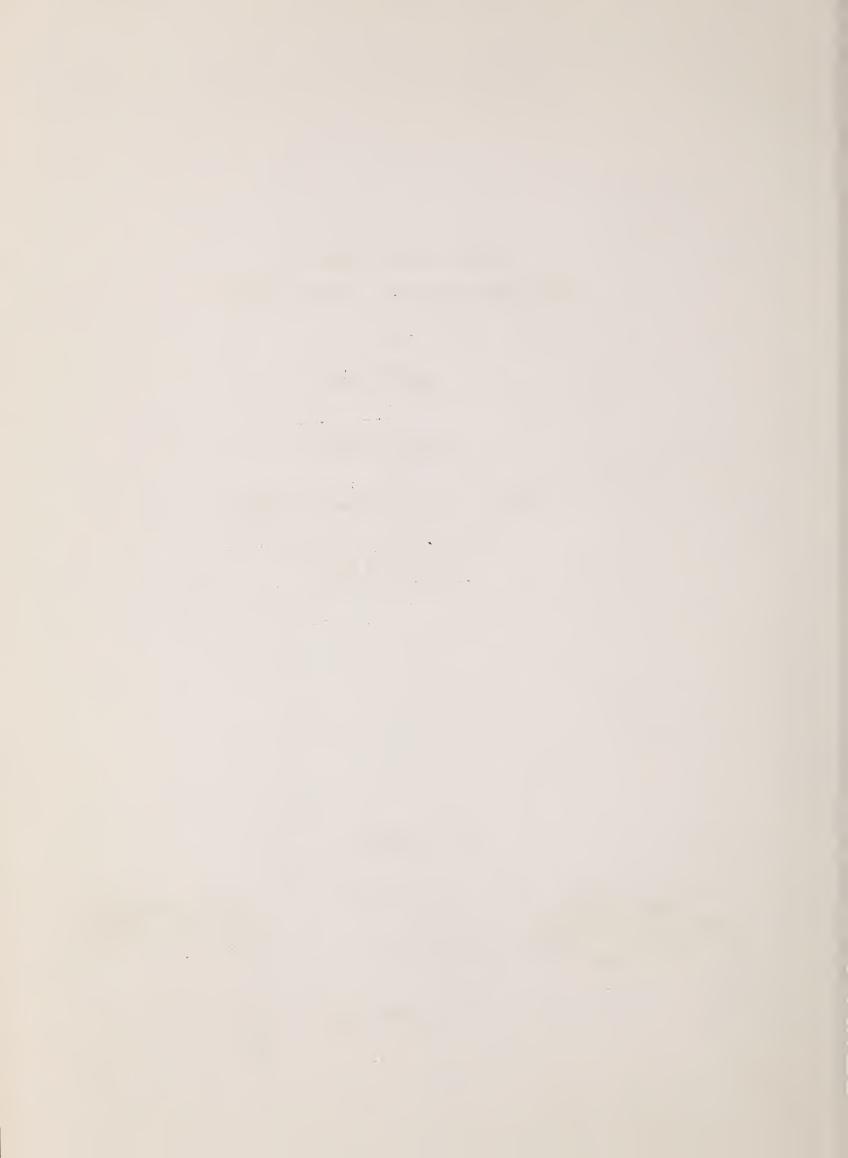
Norman S. Hall, Hydraulic Engineer

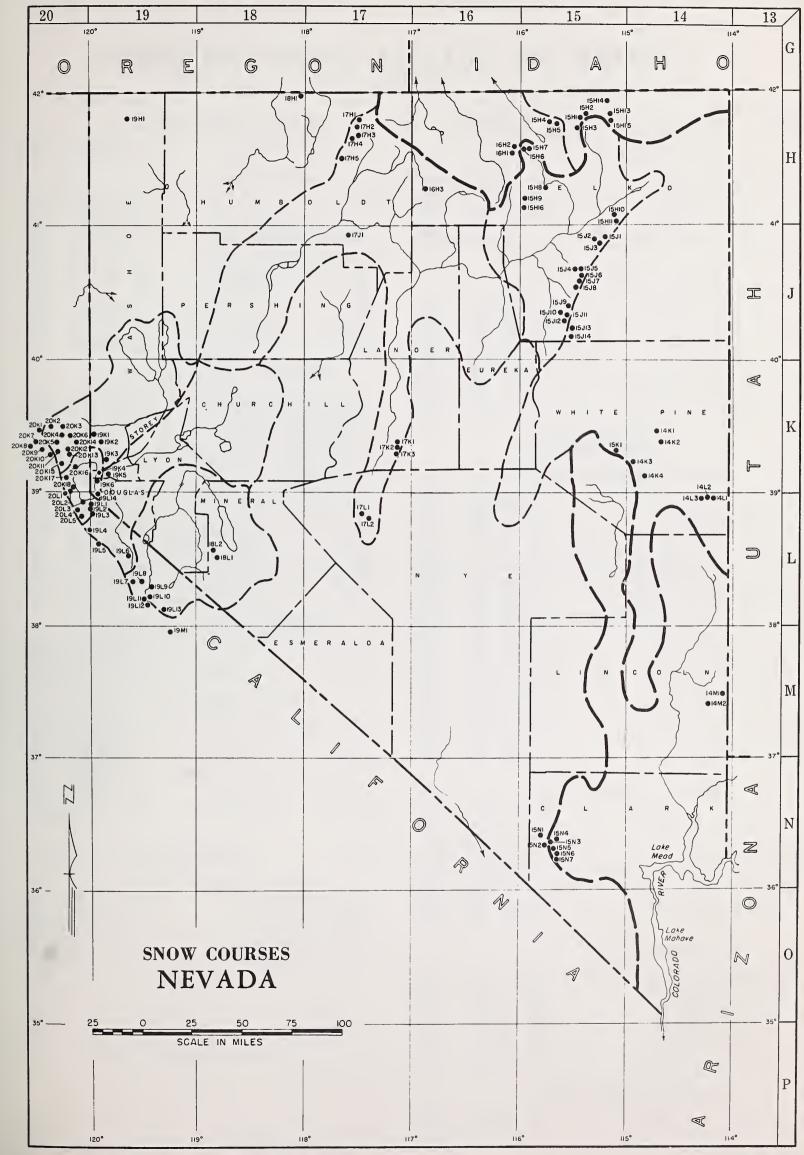
Soil Conservation Service 1485 Wells Avenue Reno, Nevada

Issued by

George Hardman State Conservationist Soil Conservation Service Reno, Nevada Hugh A. Shamberger Nevada State Engineer Carson City, Nevada

March 8, 1957





and the second s $(\mathbf{v}_{i} + \mathbf{v}_{i} + \mathbf{v}_{i} + \mathbf{v}_{i} + \mathbf{v}_{i}) = (\mathbf{v}_{i} + \mathbf{v}_{i} + \mathbf{v}_{$ The second secon and the second of the second o

WATER SUPPLY OUTLOOK FOR NEVADA

March 1, 1957

Recently completed snow surveys in Elko County indicate an improvement in the Snake and Owyhee watersheds over last month. Snow surveys indicate the water stored as snow in the Snake River and Owyhee River drainages to be 70 percent and 65 percent, respectively, of the March 1 15 year 1938-52 average. The Humboldt River drainage is about 55 percent of the 15 year March 1 average. The Santa Rosa Mountains north of Paradise Valley measured about 65 percent of the March 1 average.

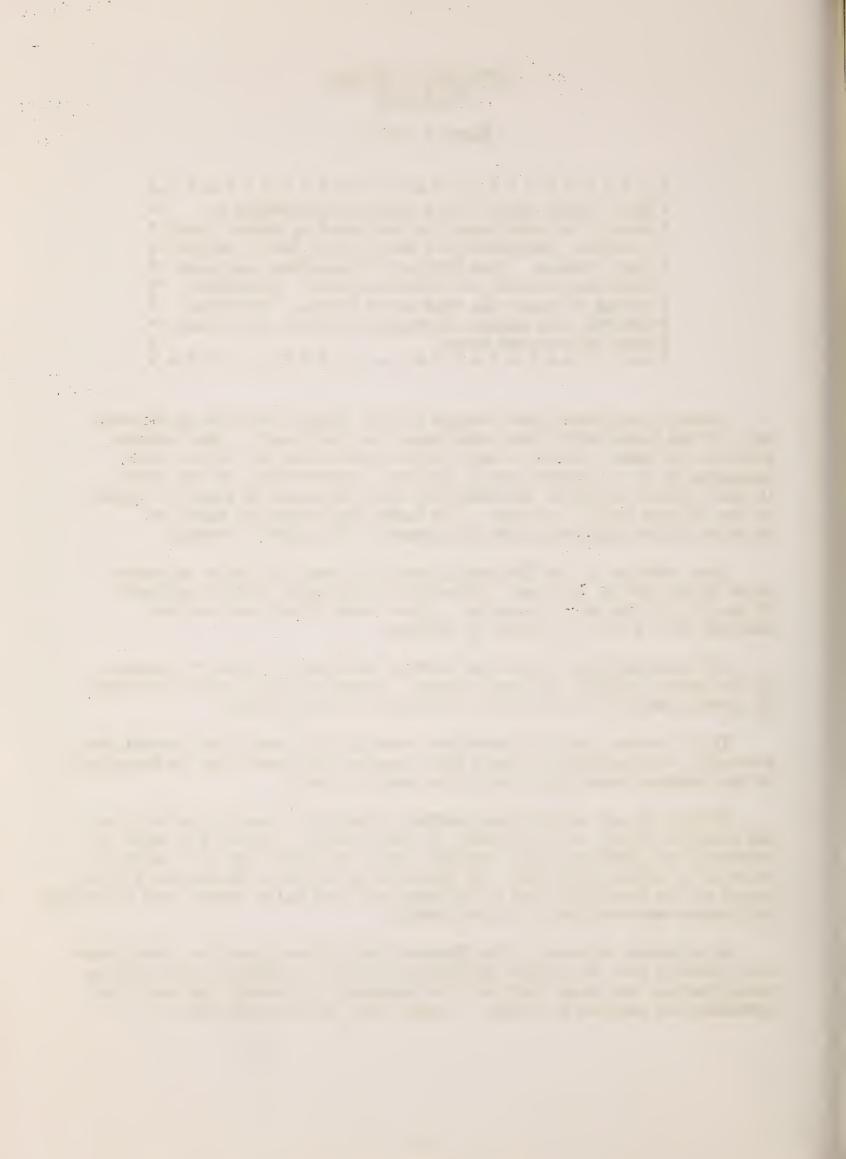
Snow surveys in the Charleston Mountains near Las Vegas indicated about 55 percent of average. White Pine County snow courses measured 52 percent of the March 1 average. Upper Reese River snow courses averaged only about 15 percent of average.

The Truckee-Tahoe basin snow courses measured at about 75 percent of the March 1 1938-52 15 year average. Carson Fass snow course measured 82 percent and the Walker Rivers averaged about 80 percent.

In all cases, the snow surveyors reported the ground wet beneath the snowpack. To have normal runoff this summer, heavy snow must be deposited in the mountain watersheds during the month of March.

Storage in all northern and western reservoirs, except Rye Patch on the Humboldt River, is above their 15 year average. During the month of February, Rye Patch storage increased about 5000 acre feet to a March 1 capacity of 42,880 acre feet. As measured by the U. S. Geological Survey, runoff on the Humboldt River at Palisade and West Walker River near Coleville, California was considerably above average.

In a report released by the Truckee Basin Water Committee, Lake Tahoe will probably fill to maximum elevation of 6229.1, assuming normal spring precipitation, and some draft will be necessary to prevent the lake from exceeding the maximum elevation. Donner Lake is also expected to fill.



NEVADA STREAMFLOW FORECASTS - MARCH 1, 1957

The following summarized runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature during the forecast period will be near average. Appreciable deviations from normal of temperature and/or precipitation during the forecast period will correspondingly modify these forecasts. These are preliminary forecasts using available March 1 data and will be revised after the April 1 snow surveys.

	Bright Street Street Street Street Street Street	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	ow Thousands	a Sprange register radge registeration and artists	
Forecast Stream	Forecast 1957	1.5-yr.Av. 1938-52		Measured 1956	Runorr 1955
East Carson nr. Gardnerville, Nevada	1.65	195	85	281	122
West Carson at Woodfords, California	43	55	78	8),	39
Carson River nr. Carson City, Nevada	116	192	60	315	91.
Carson River nr. Fort Churchill, Nevada	1 1 5	189	61	319	76
East Walker nr. Bridgeport, California 1/	50	73	68	126	27
West Walker nr. Coleville, California	1.20	160	75	236	110
Little Truckee River above Boca, California 2	7'1	30	92	1.35	4,9
Truckee River at Farad, California 2/3/	220	279	79	البن الب	162

^{1/} For period April through August corrected for storage in Bridgepart Reservoir.

^{2/} Forecast issued by Truckee Basin Water Committee which is composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company, and Washoe County Water Conservation District.

^{3/} Exclusive of Tahoe and corrected for storage in Boca Reservoir.



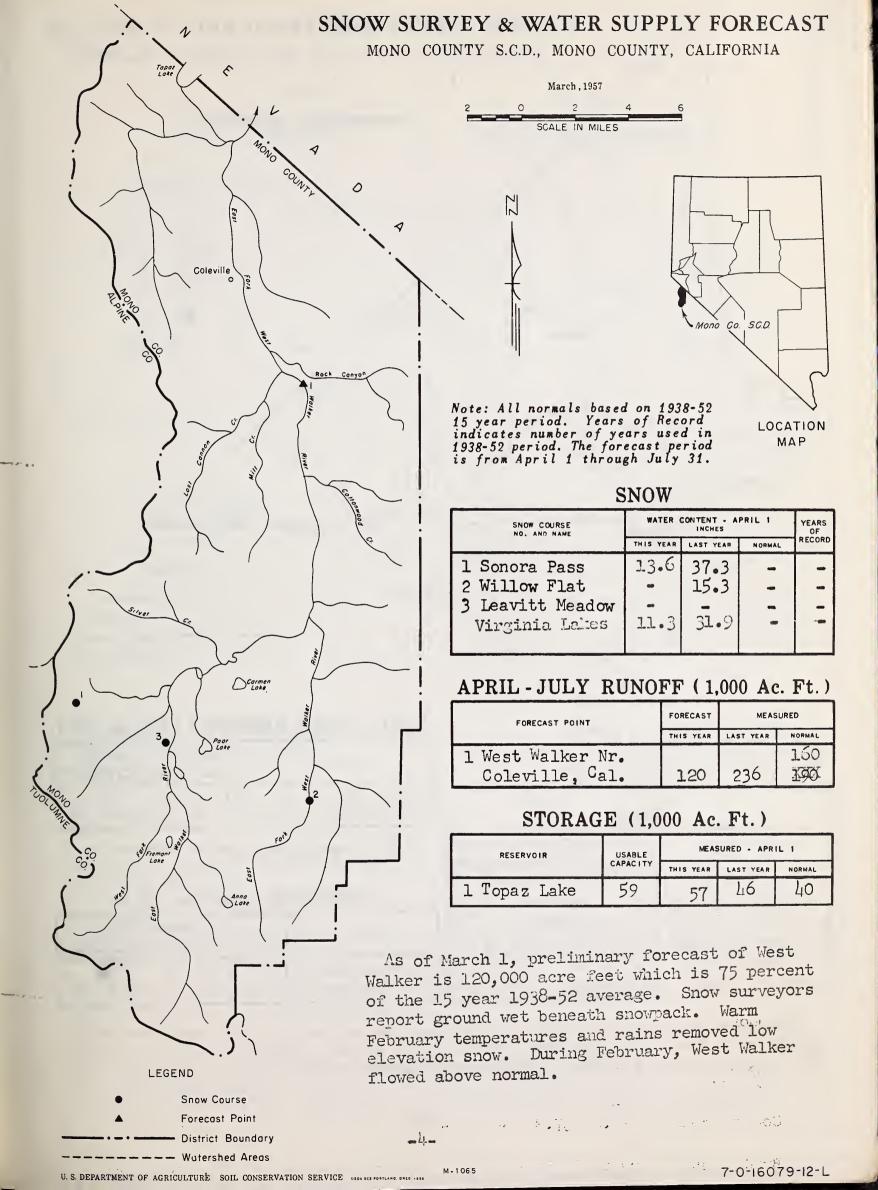
STATUS OF RESERVOIR STORAGE
March 1, 1957

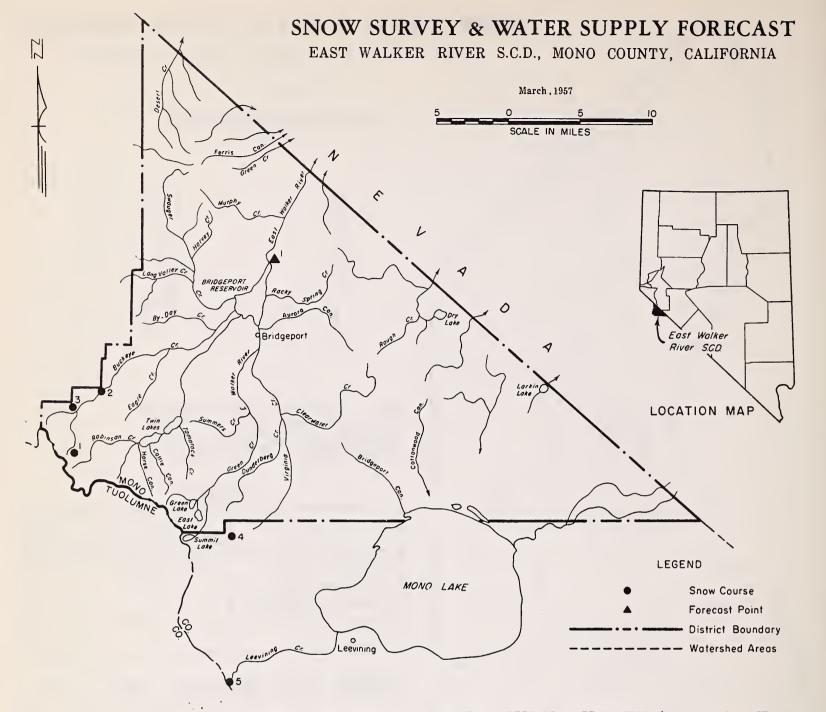
BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	-	USABLE ST 1956	1955	000 ACRE FEET 15-YR. AVE. 1938-52
Owyhee	Wild Horse	33	26	5	3	12
Lower Humboldt	Rye Patch	178	43	21	9	89
Colorado	Mohave	1,810	1,671	1,710	1,710	New reservoir*
Colorado	Mead	27,217	11,700	11,038	11,869	18,517
Tahoe	Tahoe	732	602	511	383	427
Truckee	Boca	41	10	7	0.1	8
Carson	Lahontan	286	225	189	162	218
West Walker	Topaz	5 9	57	46	21	40
East Walker	Bridgeport	42	42	34	18	33

^{*} Storage began in 1950. The 1950-55 average is 1,390,000 A.F.

Note: In the February 1957 Snow Survey and Water Supply Forecast Bulletin, correct the February 1, 1957 Wild Horse storage to read 19.

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Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

SNOW

SNOW COURSE	WATER CONTENT . MARCH 1			YFARS OF
	THIS YEAR	LAST YEAR	NORMAL	RECORO
1 Center Mtn.	-			-
2 Buckeye Roughs		32.0	-	-
3 Buckeye Forks	·	30.8	-	-
l Virginia Lakes	11.3	31.9	-	-
5 Tioga Pass	-	-	22.0	9
Sonora Pass	13.6	37.3	-	-

APRIL - JULY RUNOFF (1.000 Ac. Ft.)

FORECAST POINT	FORECAST	MEAS	URED
	THIS YEAR	. LAST YEAR	NORMAL
l East Walker Nr. * Bridgeport, Cal.	50	126	73

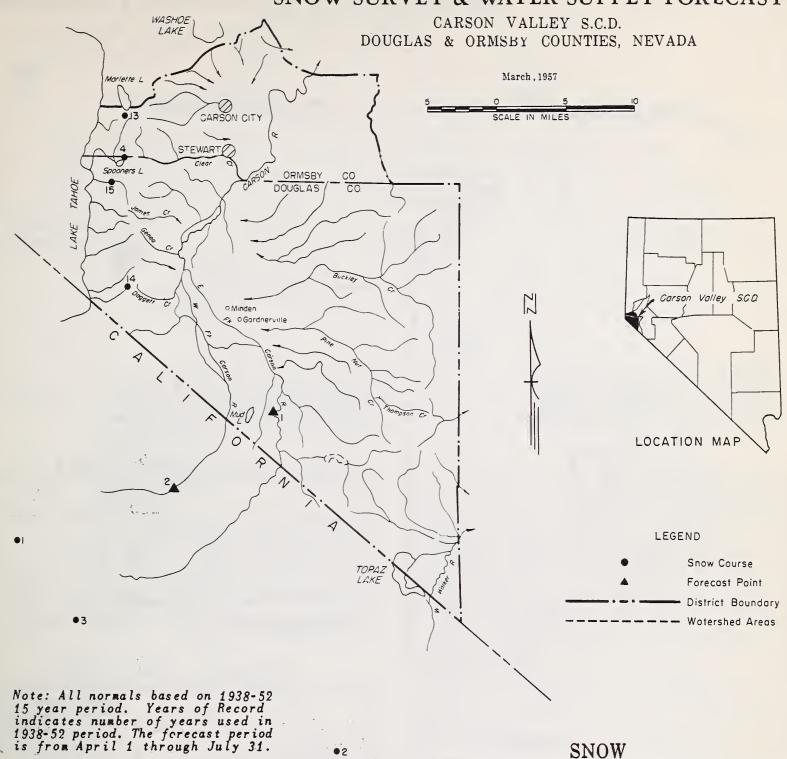
* April-August forecast period. Corrected for change in Bridgeport Reservoir.

STORAGE (1,000 Ac. Ft.)

"RE9ERVOIR	USABLE	MEASURED - MARCH 1			
	CAPACITY	THIS YEAR	LAST YEAR	NORMAL	
l Bridgeport Reservoir	75	42	34	33	

Bridgeport Reservoir is full and releases are now being made. Our forecast of 50,000 acre feet is 68 percent of the 15 year 1938-52 average and will be revised after April 1 snow surveys. Mountain soil mantle is wet beneath snowpack.

2 m = 1 m =



APRIL - IIII Y RIINOFF (1000 Ac Ft)

AFRIL - JULI RUNOFF (1,000 Ac. Ft.)						
FORECAST POINT	FORECAST	MEASURED				
n= - 1 ⁻¹ / ₁ -1 · · · · ·	THIS YEAR	LAST YEAR	NORMAL			
l East Carson Nr. Cardnerville, Nev.	165	281	195			
2 West Carson at Woodfords, Cal.	43	84	55			
3 Carson River Nr. Carson City, Nev.	116	315	192			

1 Carson Pass 30.0 15 49.5 24.5 2 Poison Flat 31.7 3 Blue Lakes 11 16.8 4 Clear Creek 1 19.2 7.7 15 13 Marlette Lake 33.8 21.7 13.8 14 Daggett Pass 14.4 11.9 14 5.0 13.6 15 Glenbrook #2 20.2 7.3

THIS YEAR

SNOW COURSE

WATER CONTENT - MARCH 1

LAST YEAR

YEARS

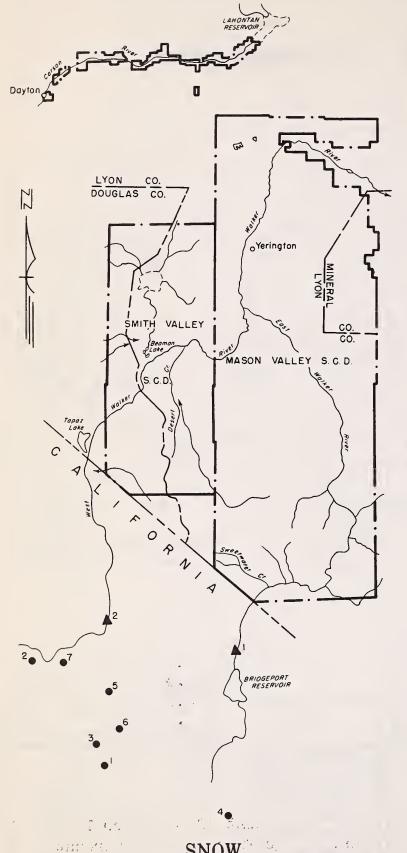
RECORD

Carson River nr. Fort Churchill, Nev.

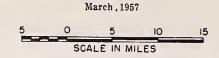
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The main Carson Watersheds appear to be about 75 percent of the March 1 1938-52 15 year average. Carson River forecasts range from 60 to 85 percent of the 15 year average. Shortages will be experienced during late summer.

SMITH VALLEY & MASON VALLEY S.C.D's. DOUGLAS, LYON & MINERAL COUNTIES, NEVADA



SNOW COURSE	WATER (YFARS OF		
	THIS YEAR	LAST YEAR	NORMAL	RECÔRD
1 Center Mtn.	•	-	-	-
2 Sonora Pass	13.6	37.3	-	-
3 Buckeye Forks	-	30.8	-	-
l Virginia Lakes	11.3	31.9	-	-
5 Willow Flat	gin	15.3	-	-
6 Buckeye Roughs	-	32.0	-	-
7 Leavitt Meadows		-	-	-



LEGEND	Smith Valley and
● Snow Course Forecast Point	Masan Valley S.C.Ds.
District Boundary	
Note: All normals based on 193 15 year period. Years of Rec indicates number of years use 1938-52 period. The forecast pe is from April 1 through July	ord LOCATION d in MAP eriod

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEAS	URED
	THIS YEAR	LAST YEAR	NORMAL
l East Walker Nr. * Bridgeport, Cal.	50	126	73
2 West Walker Nr. Coleville, Cal.	120	236	160 %

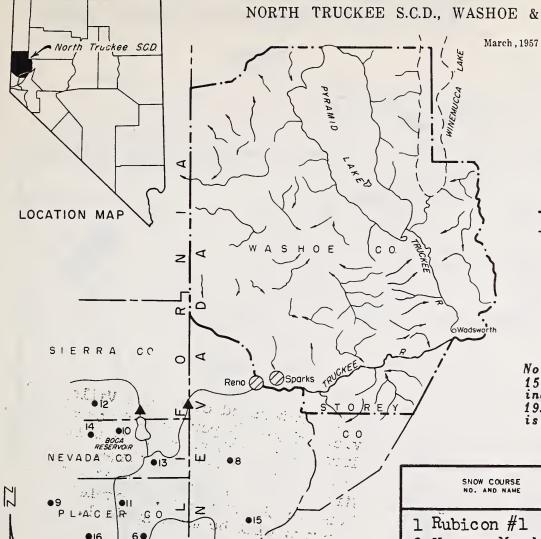
* Apr.-Aug. runoff period corrected for change in Bridgeport Reservoir.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE	MEASURED . MARCH 1			
	CAPACITY	APACITY THIS YEAR		NORMAL	
1 Topaz Lake 2 Bridgeport R.	59 42	57 42	46 34	40 33	

Preliminary forecasts on the Walker
Rivers are about 70 percent of the 1938-52
15 year average and will be revised next
month. Reservoirs are full or nearly
full. Irrigators who have no storage
water to supplement natural flow will
experience late season shortages.

NORTH TRUCKEE S.C.D., WASHOE & STOREY COUNTIES, NEVADA



SCALE IN MILES

LEGEND

Snow Course Farecost Point District Boundary

Watershed Areas

Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

SNOW

SNOW COURSE	WATER (WATER CONTENT . MARCH I INCHES		
	THIS YEAR	LAST YEAR	NORMAL	RECORD
1 Rubicon #1	34.1	68.4	46	-
2 Hagans Meadow	17.2	27.8	24.3	4
3 Freel Bench	8.5	16.5	14.0	8
4 Ward Creek	32.0	60.0	43.8	11
5 Upper Truckee	6.6	12.7	10.6	13
6 Tahoe City	~	15.8	13.5	15
7 Echo Summit	26.1	58.6	33.8	11
8 Mount Rose	-	***	-	-
9 Donner Summit	25.6	57.1	34.7	15
10 Sage Hen Creek	13.9	27.7	15.4	14
11 Truckee #2	10.2	23.2	15.6	9
12 Independence Cr	10.1	22.3	11.4	11
13 Boca #2	3.2	12.2	9.0	10
14 Independence Cp	18.4	36.5	17.9	10
15 Little Valley	P40	11.8	_	-
16 Squaw Valley	35.3	80.6	-	-

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

•5

•2

LAKE TAHCE

СО

ELDORADO

FORECAST POINT	FORECAST	MEAS	URED
	THIS YEAR	LAST YEAR	NORMAL
1 Truckee River at Farad, Calif. 1/.	 2 2 0	l+Ol;	279
2 Little Truckee above Boca, Calif.	74	135	80
3 Rise of Lake Tahoe. 2/ (Feet)	ee e	2.01	1.6"

1/ Exclusive of Tahoe & corrected for Boca Res.

2/ Max. rise from Apr. 1, assuming gates closed.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLÉ	MEAS	URED - MARC	н 1
	CAPACITY	THIS YEAR	LAST YEAR	NORMAL
1 Lake Tahoe 2 Boca	732 41	602 10	rk pgr	LIXE;

* Storage began in Dec., 1938

Assuming normal precipitation from now through the forecast period, the Truckee Basin Water Committee states, that Lake Taloe will fill to maximum elevation of 6229.1 and some draft will be necessary to prevent exceeding that elevation. Due to carry-over storage, a full water supply will be available for irrigation and power uses on the Truckee. A late summer shortage may be experienced by irrigators who do not have storage to supplement natural flow.

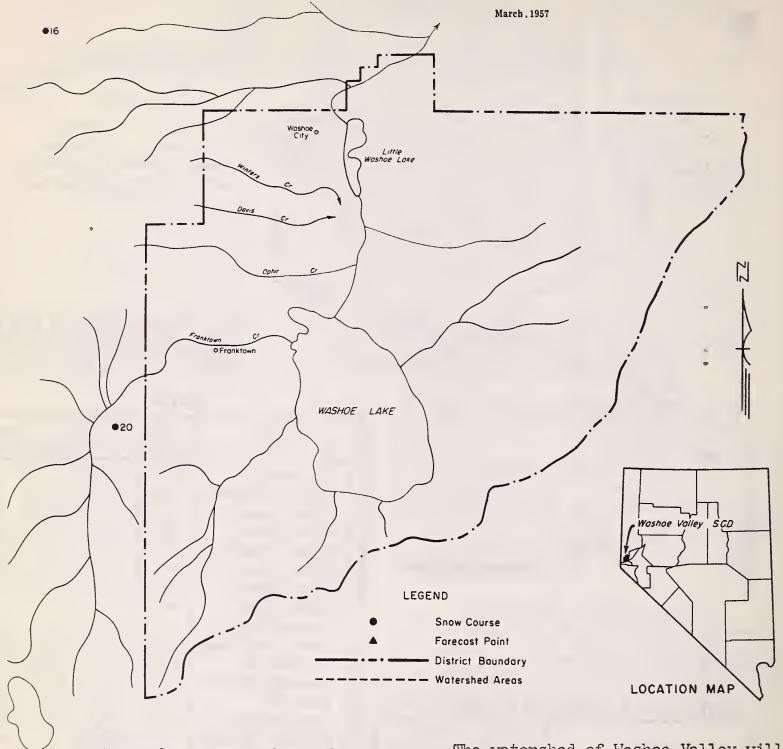
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511

427

8 %

WASHOE VALLEY S.C.D., WASHOE COUNTY, NEVADA



Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

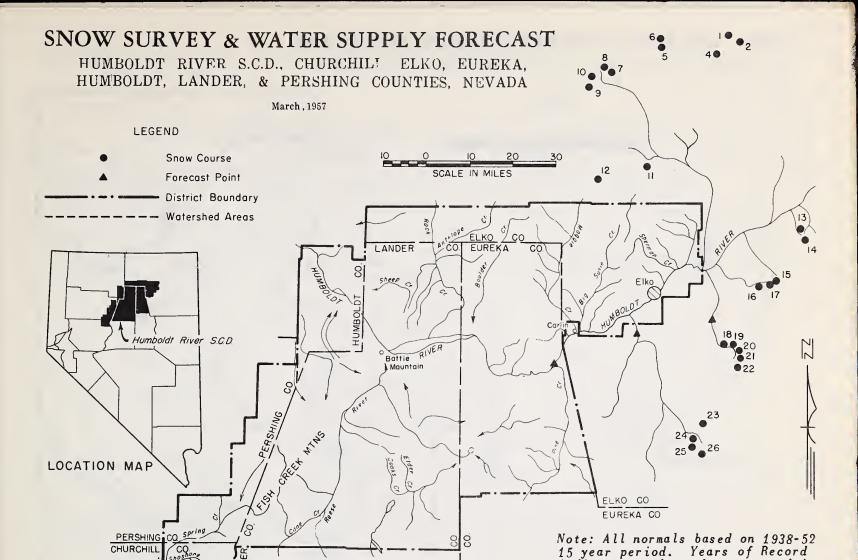
SCALE IN MILES

●13

The watershed of Washoe Valley will yield about 65 percent of normal flow. Irrigators with no storage will experience a late season shortage. At Marlette Lake, the ground was saturated beneath the snowpack. Complete snow surveys will be made April 1.

SNOW

SNOW COURSE	WATER (CONTENT - M	ARCH 1	YFARS OF
	THIS YEAR	LAST YEAR	NORMAL	RECORD
13 Marlette Lake 16 Mount Rose 20 Little Valley	13.8	33.8 11.8	21.7	্যুর ্র



APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEAS	URED
	THIS YEAR	LAST YEAR	NORMAL
Lamoille Crk. Nr. Lamoille		32	30
So. Fk. Humboldt Nr. Elko	400	88	8l _‡
Humboldt at Palisade	469	249	250

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE	MEAS	URED - MARC	CH 1
	CAPACITY	THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	43	xb21	x kx 9

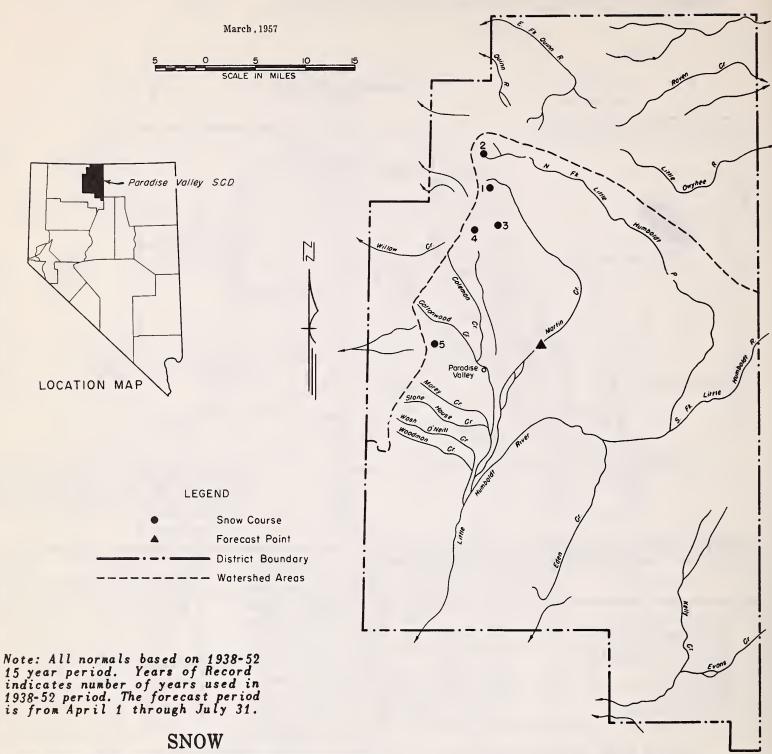
No volume forecasts are made in this area until April 1. Recent March 1 snow surveys indicate this to be another short water year unless heavy March storms increase mountain snowpack. Low elevation snow is gone but ground is saturated. The storm of March 2-4 is reflected in the Ruby Mountain surveys which have improved conditions

SNOW COURSE	WATER (CONTENT - M.	ARCH 1	YFARS OF
NO. AND NAME	THIS YEAR	LAST YEAR	NDRMAL	RECORD
1 Bear Creek 2 Fox Creek 4 76 Creek 5 Gold Creek 6 Big Bend 7 Fry Canyon 8 Rodeo Flat 9 L. Jack Creek 10 U. Jack Creek 11 Tremewan Rch. 12 Taylor Can. 13 L. Trout Crk. 14 U. Trout Crk. 15 Dorsey Basin 16 Ryan Ranch 17 Dry Creek 18 Lamoille 1 19 Iamoille 2 20 Iamoille 3 21 Iamoille 5 23 Green Mtn. 24 Harrison 1 25 Harrison 2 26 Corral Can.	16.59.4.16.8.4.66.97.9.9.16.59.4.16.8.4.60.9.9.18.30.07.59.4.16.8.4.60.9.18.30.07.59.4.28.7.10.9	22.7 8.6 9.3 13.0 9.0 8.1 3.3 7.8 3.3 9.3 13.0 14.0 12.5 16.1 21.4 33.7 18.2 6.5 14.3	17.1 8.8 12.3 6.3 9.4 9.0 9.9 4.0 9.9 4.0 19.8 10.5 1.8 5.9 10.1 12.7 18.0 23.3 11.8 4.6 4.6	1564554551455455455 131513 131513 131513 131513 131513 131513

SNOW

indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

PARADISE VALLEY S.C.D., HUMBOLDT COUNTY, NEVADA



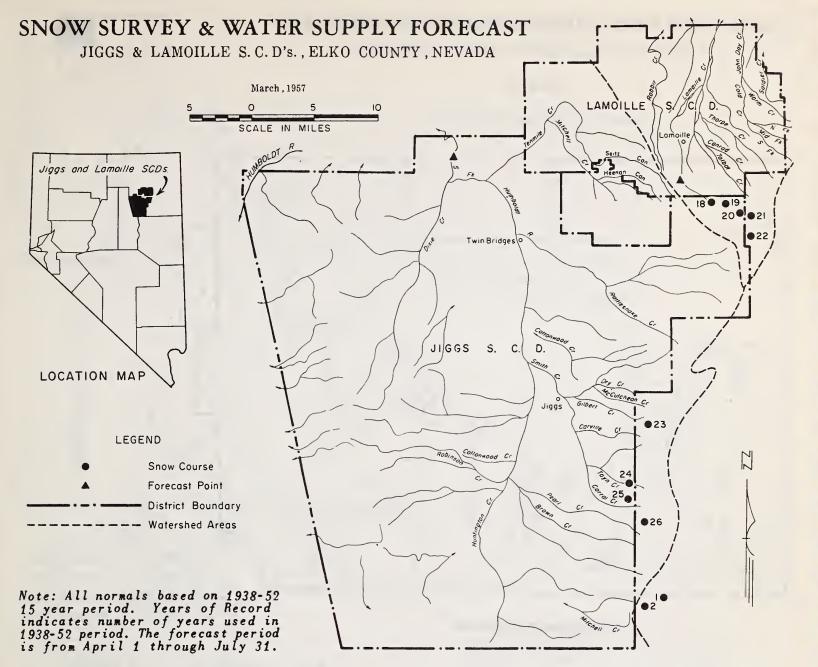
SNOW COURSE	WATER (ONTENT - M	ARCH 1	YFARS OF
	THIS YEAR	LAST YEAR	NORMAL	RECORD
l L. Buckskin 2 U. Buckskin 3 Martin Cr. 4 Granite Pk. 5 Lamance Cr.	5.9 5.4 6.5 12.2 6.1	11.0 7.3 10.8 17.0 11.4	8.9 9.9 8.6 11.2 10.1	12 12 15 15 14

APRIL - JULY RUNOFF (1.000 Ac. Ft.)

THE TOTAL		000 110	J. I U. /
FORECAST POINT	FORECAST	MEAS	SURED
	THIS YEAR	LAST YEAR	NDRMAL
Martin Creek near Paradise Valley	•	17	⁴ 1 8
			1 abso

All low elevation snow is gone but ground is saturated. Granite Peak snow course is above normal which indicates conditions at extremely high elevations.

Volume forecasts will be made after the April 1 snow surveys. Present conditions indicate below normal runoff in prospect unless heavy March storms occur in the mountains.



SNOW

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

18 Lamoille 1 7.0 14.0 9.9 15 19 Lamoille 2 5.6 12.5 10.1 15 20 Lamoille 3 9.6 16.1 12.7 15 21 Lamoille 4 14.0 21.4 18.0 12 22 Lamoille 5 22.0 33.7 23.3 13 23 Green Mtn. 8.7 18.2 11.8 13 24 Harrison 1 7 6.5 4.6 15 25 Harrison 2 1.0 5.4 4.6 13 26 Corral Can. 10.9 24.3 15.2 13		21011			
18 Lamoille 1 7.0 14.0 9.9 15 19 Lamoille 2 5.6 12.5 10.1 15 20 Lamoille 3 9.6 16.1 12.7 15 21 Lamoille 4 14.0 21.4 18.0 12 22 Lamoille 5 22.0 33.7 23.3 13 23 Green Mtn. 8.7 18.2 11.8 13 24 Harrison 1 T 6.5 4.6 15 25 Harrison 2 1.0 5.4 4.6 13 26 Corral Can. 10.9 24.3 15.2 13		WATER C		ARCH 1	
19 Lamoille 2 20 Lamoille 3 21 Lamoille 4 22 Lamoille 5 23 Green Mtn. 24 Harrison 1 25 Harrison 2 26 Corral Can. 25 12.5 10.1 15 26 12.7 15 27 15.0 12.7 15 28.0 21.4 18.0 12 29.0 33.7 23.3 13 29.0 33.7 23.3 13 21 18.2 11.8 13 21 19.0 5.4 4.6 15 21 19.0 24.3 15.2 13		THIS YEAR	LAST YEAR	NORMAL	RECORD
	19 Lamoille 2 20 Lamoille 3 21 Lamoille 4 22 Lamoille 5 23 Green Mtn. 24 Harrison 1 25 Harrison 2 26 Corral Can. 1 Cave Creek	5.6 9.6 14.0 22.0 8.7 T	12.5 16.1 21.4 33.7 18.2 6.5 5.1 24.3 15.6	10.1 12.7 18.0 23.3 11.8 4.6 4.6 15.2 15.5	15 15 15 12 13 13 15 13 11 12

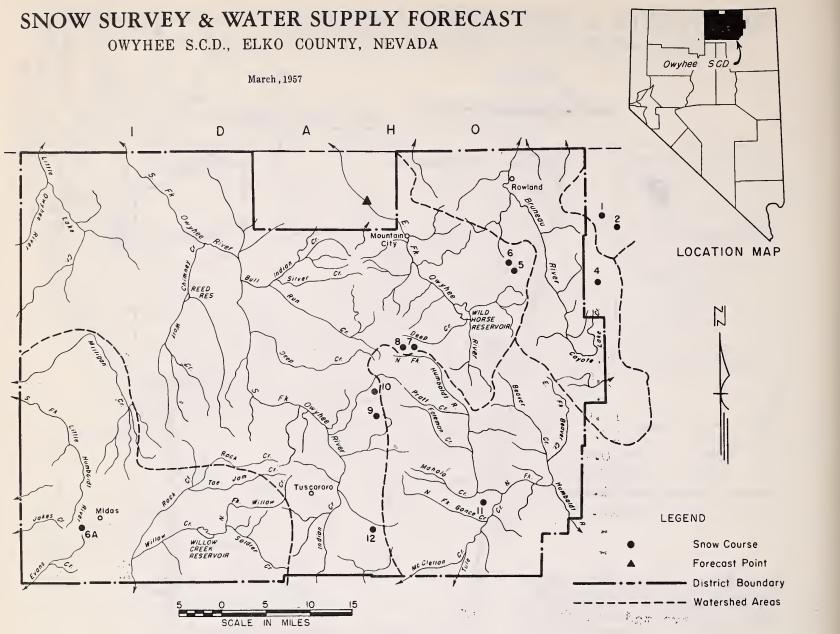
FORECAST POINT	FORECAST	MEAS	URED
	THIS YEAR	LAST YEAR	NORMAL
S. Fk. Humboldt Kiver (near Elko)	8	88	84
Lamoille Creek (near Lamoille)	8	32	30
Humboldt River (at Palisade)		579	250

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE	MEAS	URED MARC	н 1
	CAPACITY	THIS YEAR	LAST YEAR	NORMAL
Rye Patch	178	43	NA STATE	1000

Snow surveys made in the Ruby Mountains on March 4-6 during the storm indicate snow stored water to be about 60 percent of the March 1 1938-52 15 year average. Forecasts will be issued on April 1. Present conditions point to low water yields from the mountains this irrigation season

10%



SNOW

SNOW COURSE	ARCH 1	YEARS OF		
·	THIS YEAR	LAST YEAR	NORMAL	RECORO
l Bear Creek 2 Fox Creek 4 76 Creek 5 Gold Creek 6 Big Bend 7 Fry Canyon 8 Rodeo Flat 9 L. Jack Creek 10 U. Jack Creek 11 Tremewan 12 Taylor Canyon 6a Midas	574584 535T8001	22.7 8.6 9.3 13.0 9.1 3.8 7.8 9.3	17.1 8.8 12.3 6.3 9.4 9.0 9.6 2.2 5.4 5.2	15 15 6 4 15 15 15 15 15 15 15 15 15 15 15 15 15

Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

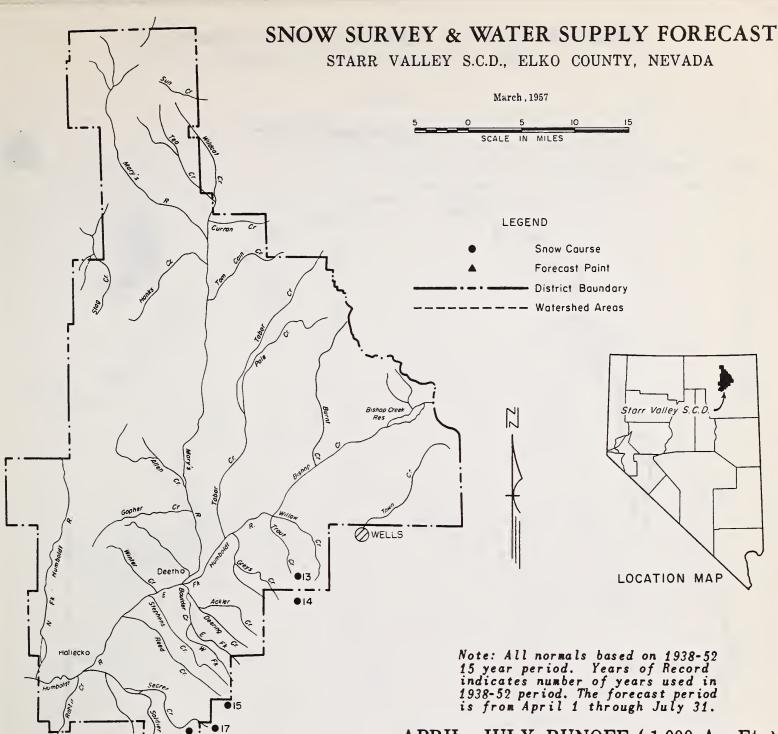
APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASUREO		
	THIS YEAR	LAST YEAR	NORMAL	
1 Owyhee River	66	75		
near Owyhee			88	
near Gold Creek	••	23	28	

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE	MEASURED . MARCH 1			
	CAPACITY	THIS YEAR	LASTENEAR	NORMAL	
l Wildhorse	33		10	14	

During February, conditions improved in these mountain watersheds. Recent snow surveys indicate snow stored water to be about 65 percent of the March 1 1938-52 15 year average. Volume forecasts will be made on April 1. Wild Horse Reservoir has increased 7,000 acre feet during February. Present conditions point to late season shortages for those who do not have reservoirs.



APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST	MEASURED		
	THIS YEAR	LAST YEAR	NORMAL	
Lamoille Crk. nr. Lamoille	148	32	30	

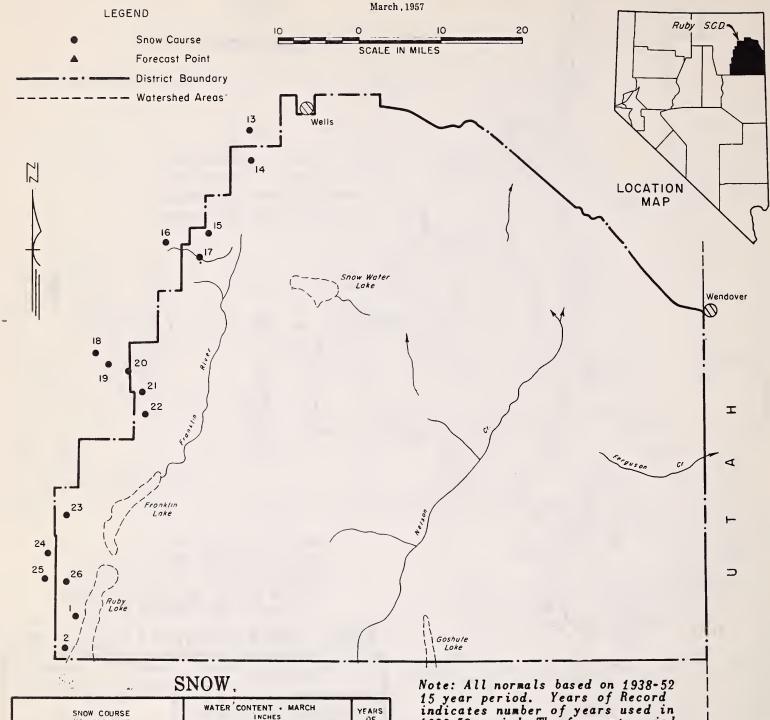
SNOW WATER CONTENT - MARCH 1 YEARS OF RECORD SNOW COURSE THIS YEAR LAST YEAR NORMAL 13 L. Trout Crk. 5.0 1:9 13 14 U. Trout Crk. 18.7 19.8 14 15 Dorsey Basin 10.5 3.9 15 13.0 16 Ryan Ranch 1.8 4.6 15 0 17 Dry Creek 0 5.3 14 11.2

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE	MEASURED - MARCH 1			
	CAPACITY	THIS YEAR	LAST YEAR	NORMAL	
Rye Patch	178	43	21	89	

Forecasts will be made next month but March 1 snow surveys in the Ruby Mountains indicate about 60 percent of the March 1 1938-52 15 year average. Water supplies this summer will be correspondingly short.

RUBY S.C.D., ELKO COUNTY, NEVADA

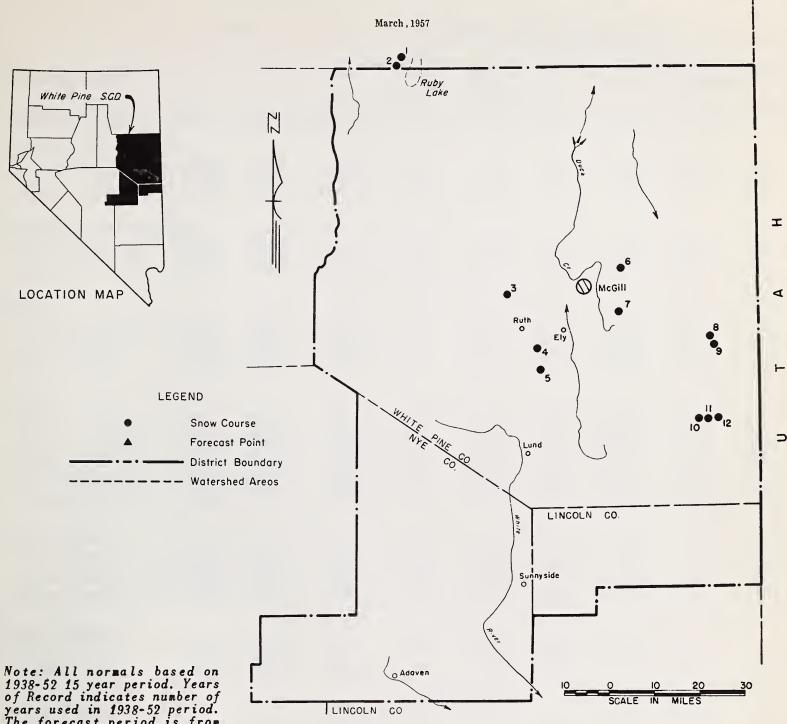


Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

Recent storms have improved the snowpack in the Ruby Mountains but are still only 60 percent of the March 1 1938-52 15 year average. Present prospects reflected by snow surveys indicate limited water supplies from the mountains. Surveys will be taken again on PApril 1.

San Transition

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



Note: All normals based on 1938-52 15 year period. Years of Record indicates number of years used in 1938-52 period. The forecast period is from April 1 through July 31.

SNOW

DIVO								
SNOW COURSE	WATER (YFARS OF						
	THIS YEAR	LAST YEAR	NORMAL	RECORD				
1 Cave Creek	9	15.6	15.5	11				
2 Hager Canyon		28.6	18.5	12				
3 Robinson Summit	0	4.8	5.2	4				
4 Murray Summit	0	3.1	4.0	15				
5 Ward Mtn. #2	6.7	(Net	se)					
6 Bird Creek	T	4.8	4.7	5				
7 Berry Creek	7.3	17.6	14.0	5				
8 Silver Crk. #1	T	(New	se)					
9 Silver Crk. #2	2.2	(New	Cours	se)				
10 Baker Crk. #3	9.5	23.4	15.9	8				
ll Baker Crk. #2	8.2	23.8	16.4	11				
12 Baker Crk. #1	3.0	8.3	6.7	11				
	_							

March 1 snow surveys in this area are about 52 percent of the March 1 1938-52 15 year average which indicate low water supplies this summer. Warm February temperatures and rains removed low elevation snow.

M-1062

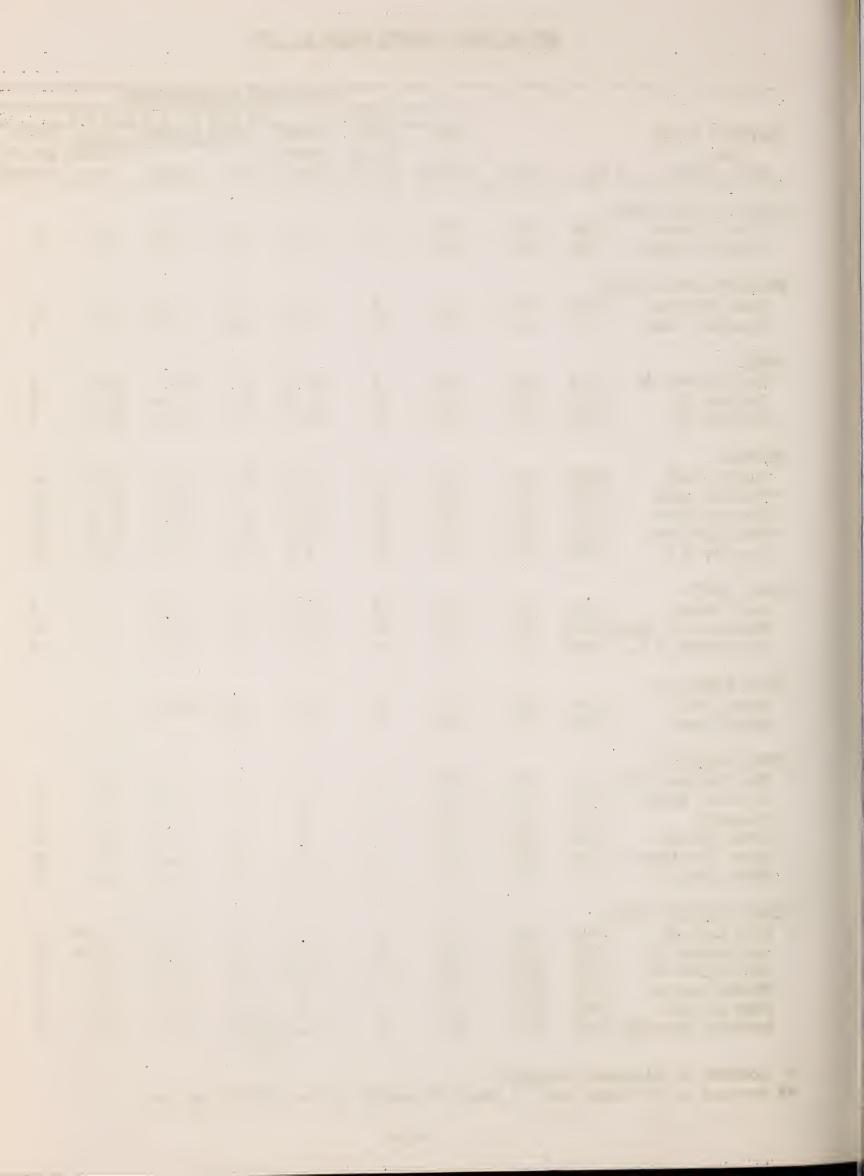
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NEVADA SNOW SURVEYS MARCH 1, 1957

			SNOW COVER MEASUREMENTS						
			1957 :Past Record						
DRAINAGE BASIN			Date	Snow:		:Water	Conten		Prior
and		***	of		Content		7055	1938-52	Yrs.o
SNOW COURSE	No.	Elev.	Survey	(In.):	(In:)	:1956	1955	Avg.	Recor
CENTRAL GREAT BASI	.M								
Clark Canyon	15N2	9000	2/28	11	4.6	3.8	7.9	7.5	11
Trough Springs	15N1	8500	2/26	7	2.3	2.9	7.6	6.6	11
MADRITUDA COTAR DAC	(T31								
NORTHERN GREAT BAS Bald Mountain	19H1	6720	3/1	3	0.5	5.4	3.9	3.7	16
Disaster Peak	18H1	6500	2/28	22	8.4	22.6	5•7	20.6	8
			-/						
TAHOE		(- /- 0			1	- 1		_
Richardsons #2	20L3	6500	2/28	37	12.9	21.4	14.0	12.2	9
Rubicon #2 Rubicon #3	20 12	7500 6700	2/25 2/25	70 5 0	23.5 16.1	42.1 26.2	23.4	23.8 18.8	6
Rubicon #5	ZOILTO	0100	4/4/) (10	20.2	1.7.9	10.0	O
TRUCKEE									
Donner Lake	20K11	5950	2/27	35	14.3	26.8	16.9	16.1	11
*Fordyce Lake	20K7	6500	2/28	62	26.8	<u></u>	29.3	36.0	31
*Furnace Flat *Soda Springs	20K8 20K9	6600 6750	2/28 2/27	82 5 7	35.0 26.6	65.5 54.7	31.0 29.4	41.5 31.9	33 27
Truckee R.S.	20K12	6000	2/27	20	7.4	19.0	11.6	12.3	12
			, ,		·			•	
SNAKE RIVER	3 55773 0	0000	0./07	1.00	30.0	01: 0	. 0		•
Goat Creek Hummingbird Sprg	15H13	8800 8945	2/27 2/27	47 61	13.8 17.2	24.0	9.8	•	2
Pole Creek R.S.	15H14	8330	2/27	50	13.8	25.8 20.0	13.2	_	2
			- / - :		_	1000			-
UPPER HUMBOLDT	- 1	.	,						
Jacks Peak	16H4	8420	3/1	66	20.0		Course		_
Susie Creek	15H16	6175	2/28	0	0	3.4	-	•	1
LOWER HUMBOLDT									
Big Crk.Camp Grd	.17Kl	6600	2/28	0	0	2.7	5.6	2.2	15
Big Crk. Mine	17K2	7600	2/28	0	0	4.8	5.1	3.3	14
Golconda	17J1	6000	2/26	0	0	T	3.6		4
Lower Corral Upper Big Creek	17L1 17K3	7500 7800	3/2 2/28	$^{\circ}_{\mathbf{T}}$	O T	1.3 6.1	2.6 9.6	1.9 6.4	14 13
Upper Corral	1712	8000	3/2	3	0.9	6.6	5.0	5.5	14
**	•		0 /	9					
LOWER COLORADO RIV		2000	0/0-	0.0		1	2.2	33 644	3.6
Kyle Canyon Lee Canyon #1	15N5 15N4	8200 8300	2/25 2/27	20	6.7 3.5	4.9 5.5	11.3 7.6	11.0** 9.8**	16 16
Lee Canyon #2	15N3	9000	2/28	9 18	5.5 6.5	5.9	8.2	11.0	16
Mathew Canyon	14ML	6000	3/1	0	0	0	3.2	2.7	8
Pine Canyon	14M2	6200	3/2	0	0	0	3.1	3.3	8
Rainbow Canyon#2	15N7	8100	2/25	31	11.8	13.6	13.6	14.5	10

^{*} Located on adjacent drainage ** Average is for less than 15 years of record in the 1938-52 period.



Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Air Force
Weather Bureau
Agricultural Research Service

STATE

Nevada State Engineer
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys

PRIVATE

Walker Fiver Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennecott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truchee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

Federal - State - Private

COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"WATER IS THE WEST'S GREATEST RESOURCE"